ZyXEL

ZyXEL green

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Power-saving Powerline Adapter for High-Definition Video Streaming and Triple-Play

- Plug-and-play for quick boost data transfer rate up to 200 Mbps*
- Support multiple application with QoS
- Eco-friendly product with lower power consumption and power-saving mode
- Multi-colored LED to identify network performance over powerline
- 128-bit AES encryption with key management for secure powerline communications

Benefits

Data transfer rate up to 200 Mbps*

Designed for high performance, your powerline network can reach the data transfer rates up to 200 Mbps*. With advanced HomePlug AV technology, the PLA-401 Series provides users the stable and high-speed Internet access. You just plug a pair of Powerline Ethernet Adapters into your home's power outlets, and easily enjoy high-definition video streaming and network transmission.

QoS for high definition video streams

The advanced QoS features of ZyXEL's HomePlug AV Series improve the quality of multimedia streaming applications such as triple-play services, video streaming, high-speed Internet access, and VoIP.

Green product with lower power consumption

The ZyXEL PLA-401 Series, a new-generation powerline adapter consumes 16% less power when comparing to the existing Powerline Ethernet Adapters. Moreover, when there is no Ethernet link, the PLA-401 Series will enter the "Standby" mode that reduces energy wasting for 50% when comparing to the adapters without this feature.

Encryption button for easy network security setup

Users can easily set up a secure connection between PLA-401 Series and another HomePlug AV product within 2 minutes. By pushing an ENCRYPT button on your PLA-401 Series, and then you can set up your hassle-free Powerline network.

Advanced 128-bit AES security protection

With the 128-bit Advanced Encryption Security (AES) feature, the PLA-401 Series provides secure network connection for Internet access and network resource sharing. You may sit back to enjoy fast Internet surfing experience and secure file transfer while leaving the hassles to the PLA-401 Series.

Power-Saving Mode

PLA-401 Series

Powerline Ethernet Adapter

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PLA-401 Series
Powerline Ethernet Adapter

Specifications

System Specifications

- Speed: HomePlug AV 200 Mbps* data rate
- Access methods: CSMA/CA channel-access schemes
- HomePlug modulation:
  - OFDM symbol modulation
  - QAM 1024/256/64/16
  - QPSK, BPSK, ROBO carrier modulation schemes
- Nodes:
  - Up to 63 slaves with 1 master, 64 total devices
  - 4 overlapping networks for neighbor networks with CCo failover
  - Up to 4 masters with up to 252 slaves
- Power saving mode: Stand-by mode if link has been lost for a period
- Power consumption:
  - 240 VAC: Full operation 3.8 W, standby mode 1.8 W
  - 110 VAC: Full operation 2.9 W, standby mode 0.9 W
- IGMP: IGMP snooping for multicast to multiple uncast mapping
- Security:
  - 128-bit AES encryption
  - Push button security
- Quality of Service (QoS)
  - ToS
  - Support up to 4-level type QoS
  - Support up to 8-level VLAN priority field
- Frequency band: 2 MHz ~ 30 MHz

Hardware Specifications

- Ethernet interface: RJ-45 connector, 1-port 10/100M
  - EU version - US version - UK version

- Power rating: 100-240 VAC, 50/60 Hz
- LED indicators: 3 LEDs
  - Power on/off
  - Powerline activity
  - Ethernet link/activity
- Encryption button
- Reset button

Physical Specifications

- Item weight: 160 g (0.35 lb)
- Item dimensions (WxDxH): 71 x 65 x 95 mm (2.79" x 2.56" x 3.74")
- Packing weight: 430 g (0.95 lb)
- Packing dimensions (WxDxH): 134 x 94 x 178 mm (5.27" x 3.7" x 7.01")

Environmental Specifications

- Operating environment:
  - Temperature: 0°C ~ 45°C/32°F ~ 113°F
  - Humidity: 20% ~ 90% RH
- Storage environment:
  - Temperature: -20°C ~ 70°C/-22°F ~ 158°F
  - Humidity: 20% ~ 95% RH

Certification

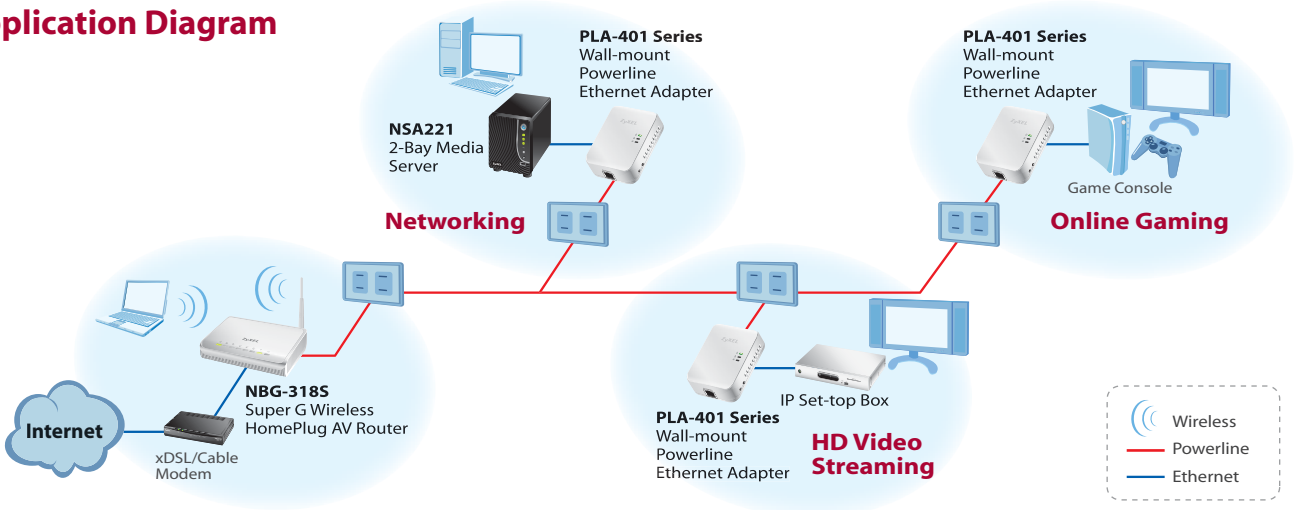
- EMI certification: FCC, CE
- Safety certification: UL, cUL
- RoHS

Package Contents

- Powerline Ethernet Adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

**The theoretical maximum channel data rate is 200 Mbps on physical layer. The actual channel data rate may vary depending on noise on electrical wires and quality of electrical installation.*

Application Diagram



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